



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H140279

**Mode:** Highway

**Status:** Submitted

### NC-24 (Kenansville Bypass)

**From/Cross Street:** NC 24 Business

**Specific Improvement Type:** 2 - Upgrade Arterial to Freeway/Expressway

**To:** I-40

**Project Category:** Statewide Mobility

**Length:** 5.88

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$57,435,000

#### Description:

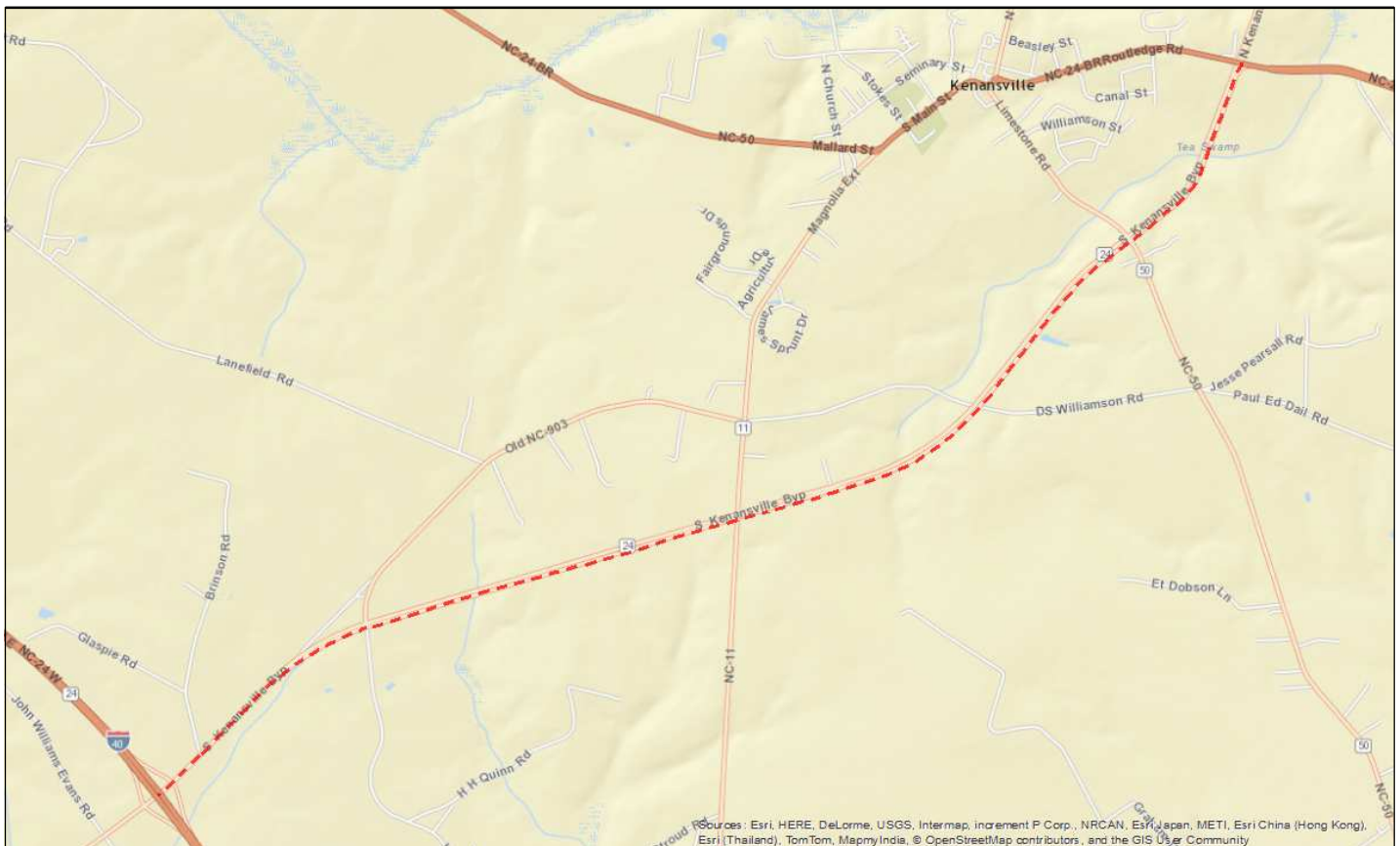
Improve to freeway standards. Improvements include constructing interchanges at NC 11, NC 50 and NC 11/24 split, and a grade separation at SR 1959 (D.S. Williams Rd).

**Division(s):** Division 3

**County(s):** DUPLIN

**MPOS(s)/RPO(s):** East Carolina RPO

#### Project Location



**Statewide Mobility Total Score: 8.91**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 10.29	N/A	N/A
Safety (10%) 39.03		
Economic Competitiveness (10%) 0.00		
Multimodal + [Freight & Military] (20%) 9.62		
[Travel Time] Benefit/Cost (30%) 0.00		
<b>Totals: Weight: 100% Weighted Score: 8.91</b>		

**Regional Impact Total Score: 25.96**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 39.03	Percent: 15% Points: 0	Percent: 15% Points: 92
Multimodal + [Freight & Military] (25%) 9.62		
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 70% Weighted Score: 12.16</b>		

**Division Needs Total Score: 32.83**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 10.29	Percent: 25% Points: 0	Percent: 25% Points: 88
Safety (20%) 39.03		
Multimodal + [Freight & Military] (10%) 9.62		
<b>Totals: Weight: 50% Weighted Score: 10.83</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	5.88
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	8630.88
Capacity:	75700.3
Volume/Capacity Ratio:	0.11
% Autos:	84%
% Trucks:	16%
Truck Volume:	1353.54
Crash Density:	28.29
Crash Severity:	49.63
Critical Crash Rate:	39.17
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	98
Actual Congested Speed:	0
Travel Time Index:	

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	5.88
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	0
% Change in Economy:	0
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	Yes
CTP/LRTP Name:	Duplin County CTP
CTP/LRTP Completion Year:	2007
Submitted by:	East Carolina RPO

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
East Carolina RPO	100%	92	88
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>92</b>	<b>88</b>

**Project Cost and Source**

Construction Cost:	\$57,435,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$57,435,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$57,435,000</b>	